ActivBoard 387 PRO Mobile System

Product Specifications

INTERACTIVE WHITEBOARD SYSTEM

The ActivBoard Mobile System, featuring ActivBoard reliability and a state-of-the-art extreme short throw projector (EST), provides high performance all-in-one capabilities in a modular, movable package.

ACTIVBOARD GENERAL SPECIFICATIONS

Internal Resolution	2730 points (lines) per inch
Output Resolution	200 points (lines) per inch
Tracking Rate	200 inches per second providing a fast response to pen commands
Output Rate	120 coordinate pairs per second
User Input	Cordless Battery-free pen incorporating tip switch and side switch for full mouse functionality (ActivPen)
Digitizing Technology	Passive Electromagnetic
Power Requirement	USB powered device
Connection to Computer	USB
Screen Surface	Low Glare Melamine
Certifications	UL, CE, FCC
Dual User Functionality	2 Teacher and 2 Student ActivPens included
Integrated USB Sound	Two integrated slim line speakers and amplifier (with controls, inputs and outputs)
Upgrade Option	Wireless connection to computer
Packed Contents List	ActivBoard, 2 ActivPens (Teacher), 2 ActivPens (Student), 1 Amp PSU, Installation Guide, Access to ActivInspire Professional Edition via download from Promethean Planet

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ACTIVBOARD SPECIFICATIONS

Model	ActivBoard 387 Pro
ActivBoard Size	87in
Resolution	14600 x 9200
Screen Formats	16:10
Overall Dimensions	2105mm x 1329mm (82.9in x 52.3in)
Active Area Dimensions	1865mm x 1175mm (73in x 46in)
Active Area Diagonal	2196mm (86.5in)
Actual Image Diagonal	2193mm (86.4in)
Board Weight	32kg (71lb)
Packed Weight	48kg (106lb)
Packed Dimensions	1500mm x 2270 x 110mm (59.1in x 89.4in x 4.3in)

INTEGRATED USB SOUND SPECIFICATIONS

Amplifier Power Output	20W per channel RMS (<1% distortion)
Controls	Volume, Base, Treble, on/off
Amplifier Frequency Response	40Hz to 18kHz +/-3dB (at 1W)
USB Sound	USB Sound supported for Minimum System Requirements stated
Connectivity – Inputs (4)	Stereo PC, Stereo CD/DVD, Mono Auxiliary, Microphone to PC via PC
Connectivity – Outputs (2)	2 Stereo
Power Requirement	18V 3.3 Amp

MINIMUM COMPUTER REQUIREMENTS

Operating Systems	Windows XP SP2 and above (XP/Vista/7); Mac OSX 10.4.11 – 10.6.1 (Tiger/Leopard/Snow Leopard); Linux Ubuntu 8.04, 8.10, 9.04, 9.10; Mandriva
PC	Pentium 4 – 1 GHz processor (800MHz for Vista), 512 MB of RAM, 1024x768 resolution, 1.5 GB of Free Disk space
Mac	Macintosh Intel Processors (Universal Binary), 512 MB of RAM, 1024x768 resolution, 3.0 GB of Free Disk Space

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INSTALLATION

ActivBoard Mobile System	Requires installation by a certified Promethean installer. Components supplied and minimum specifications stated have been tested and are required for optimal performance. Use of components not supplied by Promethean or not meeting minimum specifications may impact performance and affect warranty. Contact your Promethean partner or visit www.prometheankb.com for more information. After installation, Promethean recommends that the ActivBoard Mobile System is moved by 2 people.

MOBILE STAND SPECIFICATIONS

Board Size	Accommodates ActivBoard 387 Pro
Height Settings	Height-adjustable mount, with 600mm (23.6in) of adjustment from 350mm (13.8in) to 950mm (37.4in) ± 50mm (1.9″). Top and bottom limit stops are fitted if the full range of movement is not required/appropriate. Height adjustment is powered by an electrical motor and is operated using a switch on the side of the stand.
Actuator Specification	Input Voltage: 24VDC Max Load: 750N Static Load: more than 750N Speed: 30mm/s (no load), 20mm/s (750N) Stroke Length: 600 ± 2mm Retracted Length: 795 ± 2mm End Mounting Dimension: H Type, ø10.1 hole, 6.3mm Slot Limit Switch: Built-in Duty Cycle: S2-10min Temperature: -26°- 65°C IP Degree: IP54 AC-DC Adaptor: Input Voltage: 100 ~ 240VAC Output Voltage: 29VDC Current: 2Amp (4Amp protected) Cable and Plug: 1.5m, IEC Plug
Projector Boom	Aluminium boom arm, extends 740mm (29.1in) from the back of the System. Projector Boom adjusts with the height of the ActivBoard reducing the need for specific re-calibration following height adjustment.
Mobile Base Dimensions	1400mm x 740mm (55.1in x 29.1in)
Room Height Requirements	Minimum 2562mm (100.87in) for full range operation
Door Size Requirements	Minimum door height clearance of 1962mm (77.24in) and door width clearance of 775mm (30.5in). Consideration should also be given to the size of corridors and layout of the school.
Minimum Turning Circle Requirement	TBD
Power	Integrated 'power management' system for ActivBoard, Mobile Stand and Projector. There will be one lead from the Mobile System to plug in to a wall socket.
Weight	Frame only (approx.): 100kg (220.5lb); excludes board, projector, cabling and accessories Complete System Weight (approx.): 140kg (308.5lb) (when ActivBoard 387 Pro is fitted)

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MOBILE STAND SPECIFICATIONS (CONTINUED)

Connectivity Panel	Connectivity panel with inputs for 2 x fully wired VGA (to support VESA DDC) plus 3.5mm stereo jack audio inputs, USB-B input (for ActivBoard), S-video , composite video plus auxillary audio jack inputs, Cat 5e ethernet input. Connectivity panel is mounted to the left hand-side of the Support Frame (when facing the system) but can be moved to the right hand-side if required.
Cables	Cable assembly includes: 2 x 3.6m (11.8ft) VGA panel mount (fully wired to support VESA DDC), 3.6m (11.8ft)S-video panel mount, 3.6m (11.8ft) composite video panel mount, 3.6m (11.8ft) Ethernet panel mount 2.5m (8.2ft) USB patch cable (to connect computer to face plate). 2.3m (7.5ft) right angle stereo jack to panel mount jack socket, 2.3m (7.5ft) right angle stereo jack to panel mount phono pair, for PC audio input (to connect computer to face plate). 2m (6ft) VGA cable provided in the projector box (to connect the computer to the face plate).
Pack Weights & Dimensions	**Box 1 of 4:** 18kg (39.6lb) Dimensions: 217mm x 1427mm x 467mm (8.54in x 56.18in x 18.39in) Contents: Projector Boom **Box 2 of 4**: 26kg (57.2lb) Dimensions: 157mm x 1602mm x 442mm (6.2in x 63.07in x 17.4in) Contents: Spine **Box 3 of 4:** 16kg (35.2lb) Dimensions: 128mm x 1782mm x 822mm (5.04in x 70.16in x 32.36in) Contents: Frame **Box 4 of 4:** 45kg (99lb) Dimensions: 202mm x 1442mm x 782mm (7.95in x 56.77in x 30.79in) Contents: Mobile Base

PROJECTOR SPECIFICATIONS

Model	**EST-P1** (DLP)
Native Resolution	WXGA (1280 x 800)
Compressed Resolution	up to 1080i
Typical Colors	16.77 million colors
Brightness (ANSI lumens)	2200 ANSI (normal), 2500 ANSI (high)
Contrast Ratio	2000:1
Noise Level	28dB (normal) 32dB (high brightness mode)
Dimensions (w x d x h)	354mm x 319mm x 157mm (13.9in x 12.6in x 6.1in) not including lens 354mm x 411mm x 219mm (13.9in x 16.1in x 8.6in) including lens
Weight	9kg (19.8lb)
Aspect Ratio	16:10 (native), 4:3, 16:9
Power Consumption	290W (<1W standby)
Device Type	DLP Technology
Focus	Manual Focus

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PROJECTOR SPECIFICATIONS (CONTINUED)

Zoom	N/A
Focal Length	F=2.4
Projection Distance	0.39m ~ 0.56m (15in ~ 22in)
Projection Screen Size	1.98m ~2.79m (78in ~ 110in)
Lamp Type	220W lamp
Lamp Life	6000hrs (normal) 4000hrs (high)
Keystone Correction	Vertical: max ±15°
Operating Temperature	5°C ~ 35°C (41°F ~ 95°F)
Power Supply Voltage	100 - 240V AC, 50/60Hz
Horizontal Scan Rate	15Hz ~ 90kHz
Vertical Scan Rate	43Hz ~ 85Hz
Computer Compatibility	IBM PC and Compatibles; Apple Macintosh, iMac, and VESA Standards WSXGA+ (1,680 x 1,050), WXGA+ (1,440 x 900), WXGA (1,280 x 800, 1,280 x 768), UXGA (1,600 x 1,200), SXGA+ (1,400 x 1,050), SXGA (1,280 x 1,024), XGA (1,024 x 768), SVGA (800 x 600), VGA (640 x 480)
Video Compatibility	NTSC (3.58/4.43), PAL (B/D/G/H/I/M/N), SECAM (B/D/G/K/K1/L), HDTV (720p, 1080i, 1035i), EDTV (480p, 575i), SDTV (480i, 576i)
Inputs	D-sub 15-pin (RGB) x2 HDMI V1.3 x1 RCA x 1, S-Video x 1 LAN (RJ45) x1 RS-232C (D-sub 9-pin) x1 USB x1
Color	Silver
Security	Padlock and security cable hole, Kensington lock hole, pin code security
On-screen Menu	Arabic, Chinese (Simplified), Chinese (Traditional), Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish
Advanced Features	3D Ready Crestron RoomView Quick Start Instant Off Source Search Freeze Quick Access Lamp Close Caption
Packed Contents List	Power cord, computer cable (Dsub15-Dsub15), wireless remote, owner's manual (CD-ROM & Quick Start Guide)

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UPGRADE AND ACCESSORY OPTIONS

Wireless Upgrade Pack 300 Pro	Allows the ActivBoard 300 Pro to connect to the computer wirelessly; includes an ActivHub (2.4 GHz) and Quick Start Guide
ActivWand 50	Wireless, battery free and extended reach input device for the ActivBoard – 540mm (21.2in) in length; "left click", cursor and hover, just like a mouse
Mobile Stand Drawer	Optional drawer in the base of the System (includes lock and key), and can be used to store sets of ActivExpressions, or ActiVotes, ActivSlate or the EST-P1 remote control. (Available July 2010)
Mobile Stand Dry Erase Whiteboard	Optional dry erase whiteboard, can use 1 or 2 dry erase whiteboards per system (Available July 2010)
Mobile Stand Laptop Shelf	Storage for 1 laptop, with a maximum size of 17in, includes a lock and key (Available July 2010)

WARRANTY AND SUPPORT

ActivBoard, Mobile Stand	Three-Year Warranty with Three-Year Email and Telephone Support. Additional Two-Year Warranty and Two-Year Email Support when installed by certified installer. Warranty is return to base for repair coverage.
EST-P1	Three-Year Warranty and Three-Year/3000hr Lamp Warranty with Three-Year Email and Telephone Support. Warranty is return for repair coverage.
ActivPen	One-Year Warranty and 90-Day Telephone Support
Support	Online support for all Promethean Products available from: www.prometheankb.com

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